

AR2000 SUPER RECYCLER POST-HEATER/DRYER/MIXER

Technical Specifications

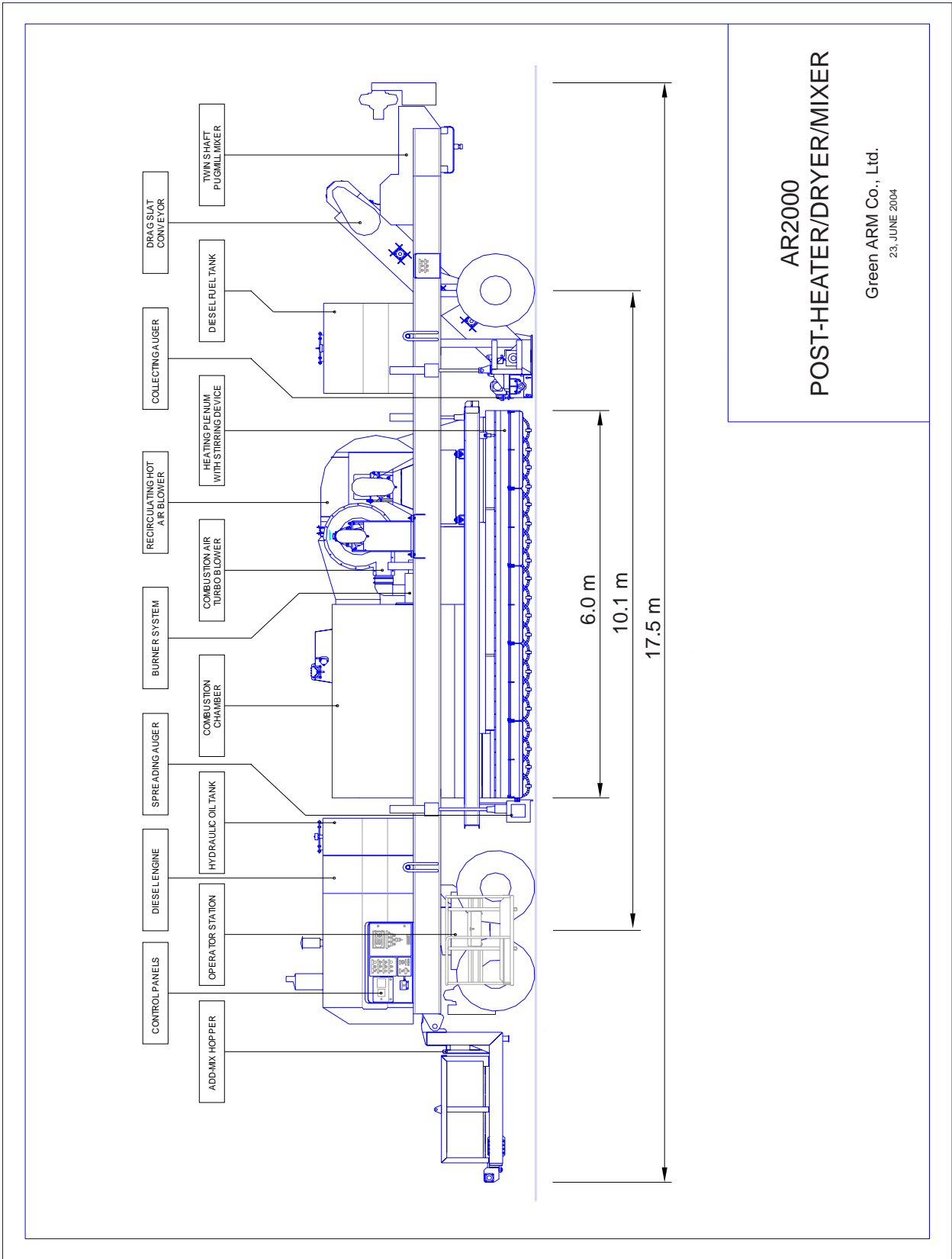


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Description	Value	Unit
Working Specification		
Working Width(*1)	max 4.0	m
Working Depth(*1)	max 50	mm
Working Speed(*1)	max 6.0	m/min
(*1): Maximum specification values are not worked simultaneously.		
Dimensions		
Operating Width	4.40	m
Operating Length	17.50	m
Operating Height	3.70	m
Transportation Width	3.00	m
Transportation Length	17.30	m
Transportation Height	3.50	m
Weight and Loads		
Operation Loads		
Front Axle Load	20,330	kg
Rear Axle Load	15,440	kg
Total weight (Approximate)	35,860	kg
Transport Loads		
Front Axle Load	---	kg
Rear Axle Load (Truck)	---	kg
Total Weight (Approximate)	31,250	kg
Engine		
Type	CAT 3306TA	
No. of Cylinders- Displacement	6 – 10.5	l
Power	246	kW
Engine Speed	1,800	min ⁻¹
Heating System		
Maximum Heating Width	4.4	m
Minimum Heating Width	2.95	m
Heating Bed Length	6.1	m
Discharge Air Temperature	---	°C
Temp. Limiter Setting	800	°C
Return Air Temperature	---	°C
Temp. Limited Setting	480	°C

Description	Value	Unit
Burner	Hauck-HMC 1080	
Max. Heating Capacity	2637	kW
Fuel Consumption at Max. Capa.	249	l/h
Combustion Turbo Blower	Hauck-TBAB1-070-270C	
Capacity	3058	m ³ /h
Operating speed	3,500	min ⁻¹
Recirculating Hot Air Blower	Northern Blower- 3300	
Capacity	39,078	m ³ /hr
Operating speed	1,500	min ⁻¹
Travel Drive System		
Travel Speed (work mode)	12.0	m/min
Travel Speed (travel mode)	4.5	km/h
Gradeability for Travel	15	%
Gradeability for Operation	15	%
Minimum Inside Turning Radius	14.3	m
Minimum Outside Turning Radius	19.9	m
Wheel Base	10.1	m
Tank Capacity		
Hydraulic Oil Tank	1,150	l
Diesel Fuel Tank	2,900	l
Air Tank	20	l
Add-Mix Hopper		
Maximum Adding Capacity	1,800(*2)	kg/min
(*2): Theoretical Value (Density of material = 1.8kg/L)		
Metering System	Computer Based Control and Monitoring System	
Hopper Weight (for Transportation)	2,170	kg
Volume	3.5	m ³
Hopper Width	3.07	m
Hopper-Conveyor Speed	7.9	m/min ⁻¹
Mixing Augers System		
Auger Lengths	1,210	mm
Auger Diameter	250	mm

Description	Value	Unit
Drag Slat Conveyor System		
Slat Conveyor flow Rates	1.03(*3)	m ³ /min
(*3): Calculation Value (Volumetric Efficiency =25%)		
Slat Conveyor Speed	---	m/min ⁻¹
Twin Shaft Pug Mill Mixer		
Pug Mill Capacity	112(*4)	ton/h
(*4): Calculation Value (Density of material = 1.8kg/L , Volumetric Efficiency =75%)		
Pug Mill Volume	0.69	m ³
Pug Mill feed rate	?	m ³ /min
Mixing time	0 - 9999	s
No. of Paddles	48	
Pug Mill Speed	75	min ⁻¹



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 Green ARM Co., Ltd.
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